



MOUNTING INSTRUCTIONS

FIXING & SEALING

GOLDEN RULE:

For all of the products of the tapes and sealants group the next golden rule is mainly in force:

THE SURFACE HAS TO BE CLEAN, DRY AND FAT-FREE

| Typ | Points of attention |
|-------|---|
| ASB | max. adhesion after 24 hours (press firmly) |
| PSB | max. adhesion after 24 hours (press firmly) |
| ALU | low percentage of elongation |
| ALU-R | can be applied at temperatures below zero |
| PVC | adhesion relative weak |
| DUCT | adhesion relative weak |
| GT | high percentage of elongation |
| SDS | ventilate during processing |
| WDS | storage/processing frost resistant |

USERS GUIDE ASB/PSB

THE SURFACE HAS TO BE CLEAN, DRY AND FAT-FREE.

The application temperature must be higher than 5°C. Particularly when the tape is going to be attached at a lower temperature it should be pressed firmly. Apply on round (PSB/ASB) or square (ASB) ducts. A max stretch (PSB) of 3% is allowed and will help the tape to set itself on the duct. If the duct has a diameter >250mm, some clearance between the ducts can be expected due to tolerances; we advise to use only ASB width 75mm or wider. Use an overlap of 5cm or larger.

Do not use PSB for outdoor applications.

DEC PRODUCTS

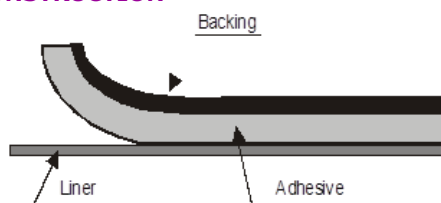
1/Self Adhesive Tape

- PSB (polyethylene foil)
- ASB (aluminium foil)

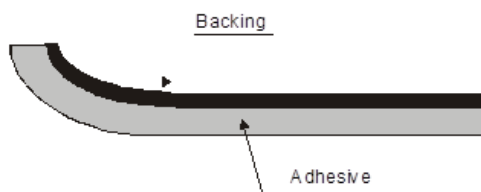
2/Sealants

- WDS606 (waterbased mastic)
- SDS400 (solvent based mastic)

CONSTRUCTION



ASB - PSB - ALU TAPE



DUCT TAPE - PVC - GT TAPE

LIABILITY:

The information contained in this brochure was current on the publication date. DEC INTERNATIONAL reserves the right to make changes in details at any time without prior notice. In order to avoid misunderstandings, any interested party is advised to contact DEC INTERNATIONAL checking for any changes in materials and/or information after this brochure was published.

PLEASE NOTICE:

The consultant is responsible for the actual installation and mounting of the product. The mentioned values with respect to temperatures are not appropriate to be used to determine the physical properties. These properties are also dependent on humidity and the temperature of the air inside and outside of the H.V.A.C. system.

TRADEMARKS:

The DEC logo and DEC International are trademarks, or registered trademarks of Dutch Environment Corporation BV in the Netherlands and/or other countries.



MOUNTING INSTRUCTIONS

FIXING & SEALING

SOME CATEGORIES/NAMES

Aluminium tapes

Cloth tapes
PVC tapes
Polyethylene tapes
Foam tapes

} backing

Bitumen tapes

Butyl tapes
Acrylic tapes
Silicone tapes

} adhesive

Packaging tapes

Splicing tapes
Electrical tapes
First aid & hospital tapes
Corrosion tapes
Duct sealing tape

} application

PSB = Polyethylene tape (backing)
= Duct sealing tape (application/function)
= Cold shrinking tape (property)
= (Butyl rubber tape) (adhesive)

ASB = Aluminium tape (backing)
= Duct sealing tape (application)
= Cold shrinking tape (property)
= (Butyl rubber tape) (adhesive)

SPECIFICATION

PSB = cold shrinking tape specially made for duct sealing

Backing : light grey polyethylene
Adhesive: hotmelt (PSA)
Liner : silicone treated paper

ASB = tape specially made for duct sealing

Backing : aluminium foil
Adhesive: hotmelt (PSA)
Liner : silicone treated paper

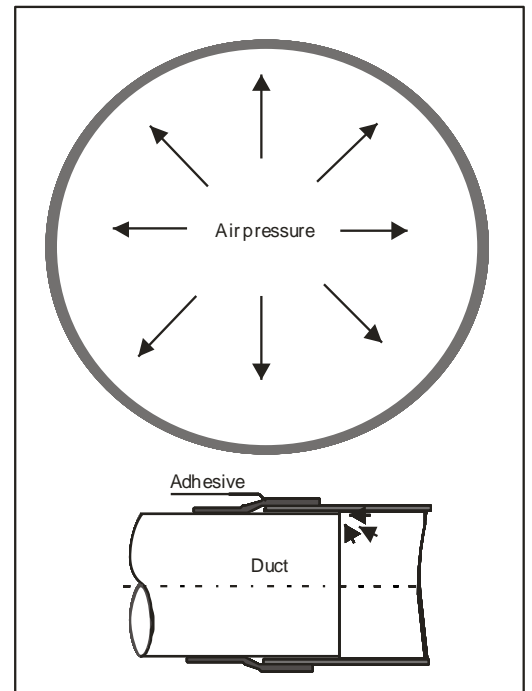
EXPRESSIONS

Adhesion: the strength which connect 2 materials together (tape and substrate)

Cohesion: the mutual connection force between parts (molecules) in an adhesive.

Tack : the quick binding capability; It is the property which enables an adhesive to form a bond with a surface of another material upon brief contact under light pressure

Cold flow : material (adhesive) is seeking its lowest level with respect to gravity

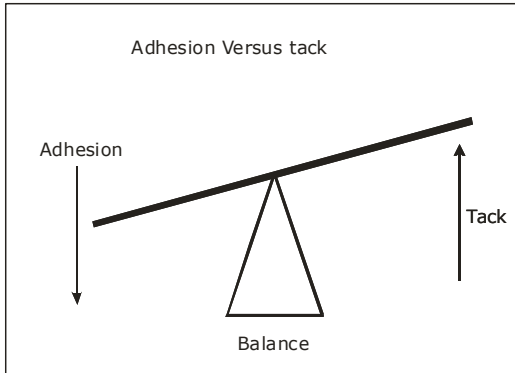




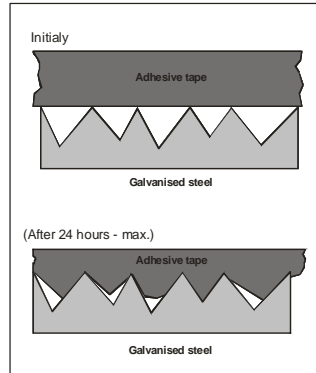
MOUNTING INSTRUCTIONS

FIXING & SEALING

ADHESION VERSUS TACK



ADHESIVE TAPE TO BE APPLIED ON GALVANISED MATERIAL



ADVANTAGES AND DISADVANTAGES

| PSB | | ASB | |
|---|--|--|---|
| ADVANTAGES | DISADVANTAGES | ADVANTAGES | DISADVANTAGES |
| 100 % airtight flexible by stretching more tape absorbs oil saves labour costs DIN 4102 B2 | material price not suitable for wet surfaces | 100 % air tight absorbs oil high tack/ high adhesion saves labour costs DIN 4102 B2 | material price not suitable for wet surfaces cannot be stretched |

The tapes are non toxic and contains no solvents!!

ADVANTAGES AND DISADVANTAGES WDS606/SDS400

WATERBASED SEALANTS (WDS606)

| ADVANTAGES | DISADVANTAGES |
|--|--|
| not harmful not flammable environmentally friendly can be applied by brush adheres on surfaces with some moisture long shelf life easy cleaning 100 % use | drying time depends on humidity limited for outdoor application |

SOLVENT BASED SEALANTS (SDS400)

| ADVANTAGES | DISADVANTAGES |
|--|--|
| short drying time (fast skinning) application does not depend on weather adheres on slightly oily surfaces not flammable (dry) | harmful inflammable (wet) not environmentally friendly can only be used in well ventilated places limited shelf life |

LIABILITY:

The information contained in this brochure was current on the publication date. DEC INTERNATIONAL reserves the right to make changes in details at any time without prior notice. In order to avoid misunderstandings, any interested party is advised to contact DEC INTERNATIONAL checking for any changes in materials and/or information after this brochure was published.

PLEASE NOTICE:

The consultant is responsible for the actual installation and mounting of the product. The mentioned values with respect to temperatures are not appropriate to be used to determine the physical properties. These properties are also dependent on humidity and the temperature of the air inside and outside of the H.V.A.C. system.

TRADEMARKS:

The DEC logo and DEC International are trademarks, or registered trademarks of Dutch Environment Corporation BV in the Netherlands and/or other countries.